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Approved For Release 2001/03/30 : CIA-RDP78T05439A000300060012-3

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Declass Review by NIMA/DOD

IB - 4/64
2 January 1964

MEMORANDUM FOR: Chief, Resources Division, ORR

ATTENTION: [REDACTED]

25X1D

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Fu-shun Shale Oil Plants No. 1 and 2, Coal Hydrogenation Plant, Fu-shun Communist China

REFERENCE: (1) ORR Requirement No. ORR/41/62 (Revised 14 June 1963)
(2) CIA/PID Project No. C 719-63
C 728-63

1. Referenced requirement requests a study of the shale oil plants at Fu-shun, China. The specific points for study that were requested include: evaluation of their level of activity; a description of changes or recent expansions; if possible, an estimation of production capacity or status of operation; and, an annotated photographic enlargement of the complex.

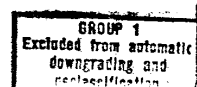
2. Fu-shun Shale Oil Plant East (also referred to as Plant #2) (Note: page 3) is located approximately 5 nm east of the built-up section of Fu-shun and approximately 9 nm east of Fu-shun Shale Oil Plant (west or #1). It lies parallel to the Toren River, and is both road and rail served. Presently there are two areas with shale retorting facilities, from the amount of atmospheric emission observed only one of these facilities is in production. Both shale oil retorts are being lengthened for greater production. The tank farm west of the plant along the river was under construction in [REDACTED] and almost completed in [REDACTED]. Within the complex the tank farm has been greatly expanded. One down draft cooling tower north of the plant has been removed and placed west along the river. Along the eastern edge of the plant there can be observed foundations for a steam pipe gallery. This type of structure was noted at the Mao-Ming Shale Oil Complex. The plant as a whole appears to be in middle or late stages of construction. There is ample space for future expansion along the west portion of the complex.

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3. Fu-shun Shale Oil Plant West (also referred to as Plant #1) (Note: page 5) is located in the built-up section of Fu-shun. The Hun River flows parallel to the north boundary of the plant at a distance of approximately 2,500 feet with the open pit mining paralleling the south boundary. The

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complex covers an area approximately 900 feet wide by 5,000 feet long and contains two shale-retorting facilities. There are sulphuric acid plants, paraffin plants, various warehousing packaging installations, and utility buildings. The plant has a large amount of tanks of varying sizes used for processing, products storage, and crude storage. The plant has the appearance of being fully operational. Atmospheric emissions can be observed from both shale-retorting facilities.

4. The coal hydrogenation plant (Note: page 7) is located approximately 1.7 nm west of the Fu-shun Shale Oil Plant (west or #1). The complex contains hydrogenation stalls, processing buildings, gasometers, distillation units and warehouses. There are over 80 tanks of varying sizes used for processing and products storage. The complex is both road and rail served. No atmospheric emissions have been observed at the installations. The only activity has been the installation of one small storage tank and the rail movement in and out of the coal storage area.

5. This study was conducted from [REDACTED] The enclosed annotated photo enlargements were selected from these missions.

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6. The photo analyst assigned to this project was [REDACTED] who may be contacted on extension 2934 should you have further questions regarding this project. These projects are considered to be complete as of the date of this memorandum.

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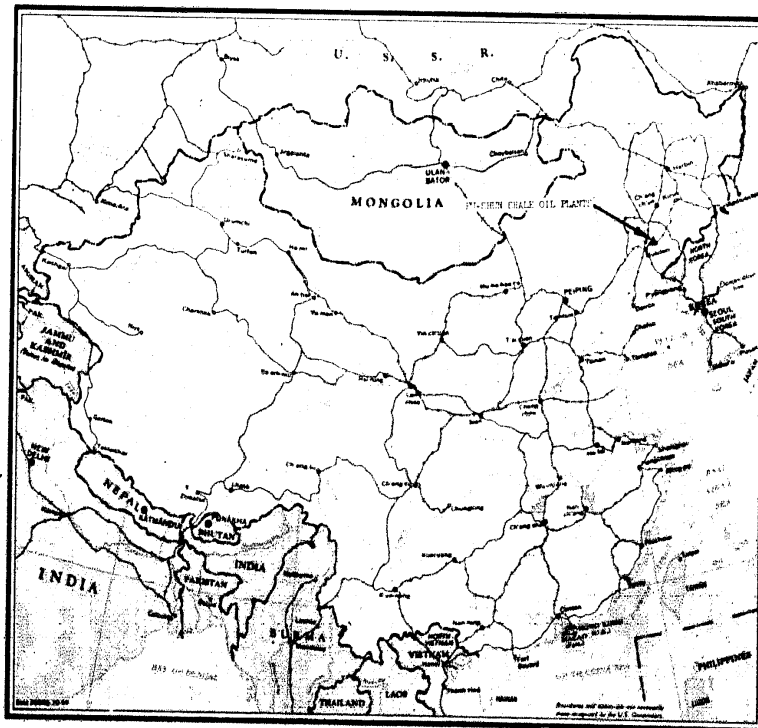
ENCLOSURES:

- 1 Annotated Map (CIA/PID/IB-P-5/64)
- 7 Annotated Enlargements (CIA/PID/IB-P-6/64 thru P-12/64)

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GROUP 1
Excluded from automatic
downgrading and
declassification

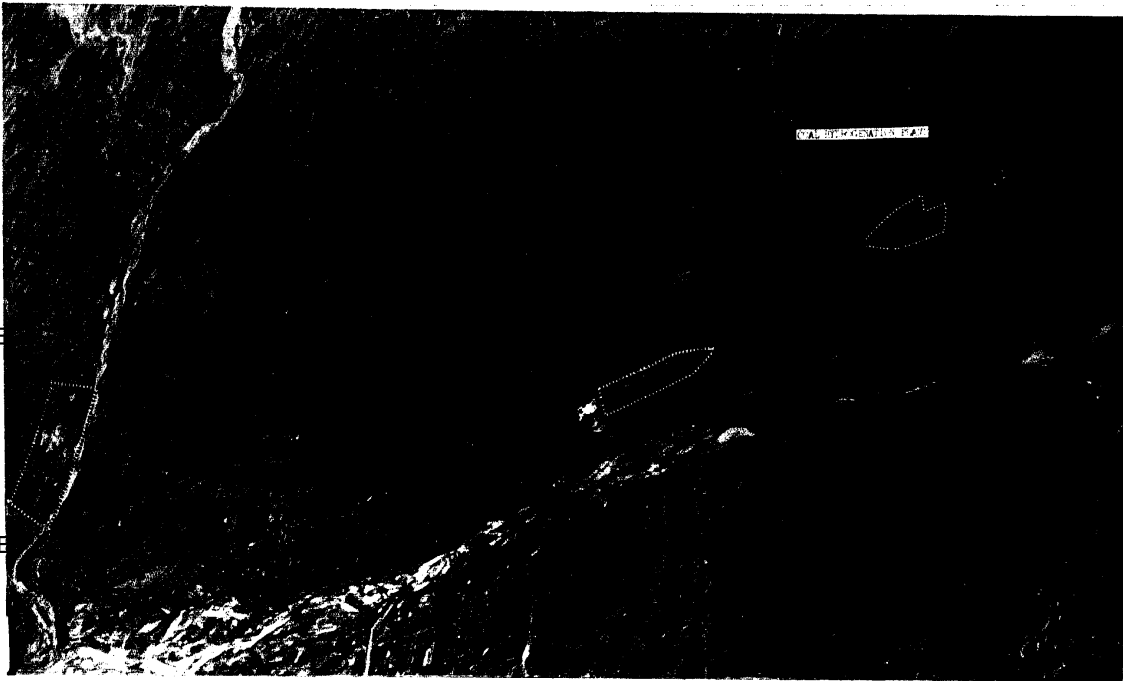
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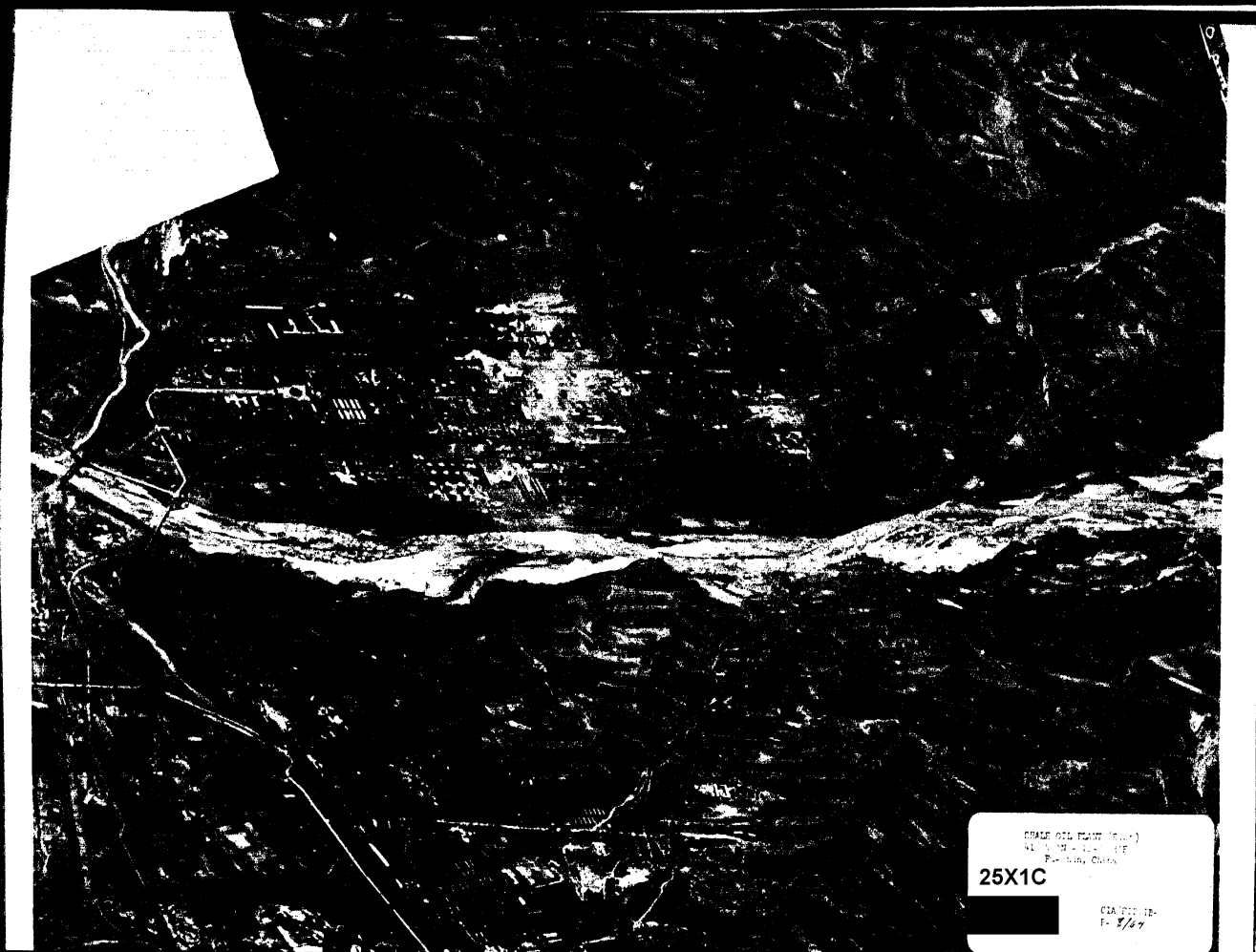
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SEASIDE OIL PLANT (T-100)
41 10 10 10 10 10
Pavilion, China

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CIA-100-10-
1- 8/67



SHIP REPAIR PLANT
127° 51' W - 12° 11' S
Ponape, China

CIA/PIC/12-
P-011

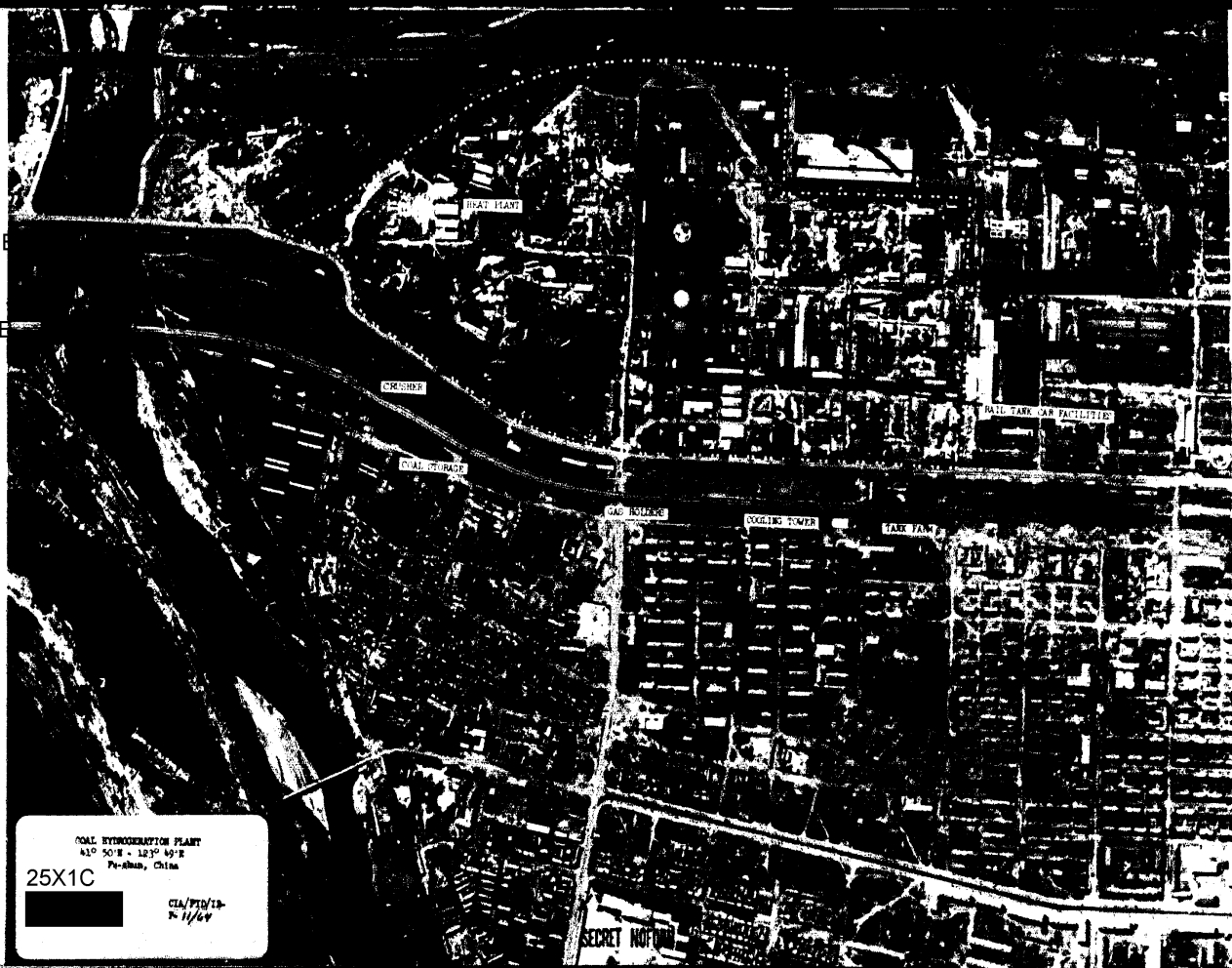
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SHALE OIL PLANT
N10 51'N - 123° 02'E
Pi-shan, China
25X1D
CIA/PID/18-
P-10/47

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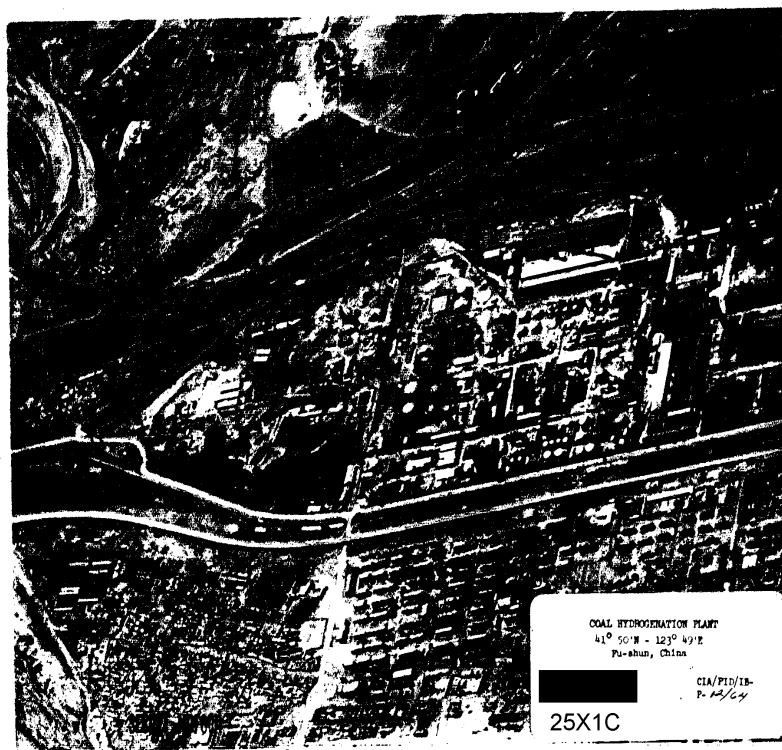


COAL HYDROELECTRICITY PLANT
41° 50' N - 121° 49' E
Pe-shan, China

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CIA/PID/13-
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COAL HYDROGENATION PLANT
41° 50'N - 123° 49'E
Pu-shan, China

CIA/PID/18-
P. 12/64

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